

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

1fw
Docket No.
HOI-14402/16

In Re Application Of: Sorensen et al.

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/563,976	1/9/2006	Unknown	25006	Unknown	5610

Title: ~~PENDING MEMBER TOWARDS PNEUMOCOCCUS SURFACE ADHESIN A PROTEIN (PsaA)~~



Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

OR

☐ the fee set forth in 37 CFR 1.17(p).

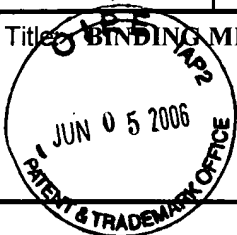
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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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Maureen M. Charlebois
Signature of Person Mailing Correspondence

Maureen M. Charlebois
Typed or Printed Name of Person Mailing Certificate

Dated: May 31, 2006

Ronald W. Citkowski
Signature

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Gifford, Krass, Groh, Sprinkle,
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(248) 647-6000

CC:

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JUN 05 2006
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U.S. PATENT DOCUMENTS							
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		US 5,686,070	11/11/1997	Doerschuk et al.			

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							YES	NO
		WO 02/0902017 A2	21/11/2002	WIPO				
		WO 02/079254 A1	10/10/2002	WIPO				

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		ALEXANDER, "Immunization of mice with pneumolysin toxoid confers a significant degree of protection against at least nine serotypes of Streptococcus pneumoniae", Infection and Immunity, Dec., 1994, p. 5683-5688.
		ALONSODEVELASCO, "Streptococcus pneumoniae: Virulence Factors, Pathogenesis, and Vaccines", Microbiological Reviews, Dec. 1995, p. 591-603.

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		AU et al., "Evaluation of the Role of the Pneumococcal Forssman Antigen (F-Polysaccharide) in the Cross-Serotype Protection Induced by Pneumococcal Subcellular Preparations", Infection and Immunity, Jan. 1981, p. 169-173, Vol. 31, No. 1.						
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		BERRY et al., "Contribution of Autolysin to Virulence of Streptococcus pneumoniae", Infection and Immunity, August 1989, p. 2324-2330, Vol 57, No. 8..
		BRILES et al., "Mouse Antibody to Phosphocholine Can Protect Mice from Infection with Mouse-Virulent Human Isolates of Streptococcus pneumoniae", Infection and Immunity, May 1992, p. 1957-1962, Vol. 60, No. 5.

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		CAMARA et al., "A Neuraminidase from Streptococcus pneumoniae Has the Features of a Surface Protein", Infection and Immunity, Sept. 1994, p. 3688-3695, Vol. 62, No. 9.	
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		CROOK et al., "Immunoreactivity of Five Monoclonal Antibodies against the 37-Kilodalton Common Cell Wall Protein (PsaA) of Streptococcus pneumoniae, Clinical and Diagnostic Laboratory Immunology, Mar. 1998, p. 205-210, Vol. 5, No. 2.
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		TOYOS et al., "Functional Analysis of Pneumolysin by Use of Monoclonal Antibodies", Infection and Immunity, Feb. 1996, p. 480-484, Vol. 64, No. 2.	
		GILLESPIE et al., "Species of Alpha-Hemolytic Streptococci Possessing a C-Polysaccharide Phosphorylcholine-Containing Antigen", Infection and Immunity, July 1993, p. 3076-3077, Vol. 61, No. 7.	

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		KUO et al., "Characterization of a Recombinant Pneumolysin and Its Use as a Protein Carrier for Pneumococcal Type 18C Conjugate Vaccines", Infection and Immunity, July 1995, p. 2706-2713, Vol. 63, No. 7.
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		LOCK et al., "Comparative efficacy of pneumococcal neuraminidase and pneumolysin as immunogens protective against Streptococcus pneumoniae", Microbial Pathogenesis 1988; 5: 461-467.
		LOMHOLT, "Evidence of Recombination and an Antigenically Diverse Immunoglobulin A1 Protease among Strains of Streptococcus pneumoniae", Infection and Immunity, Nov. 1995, p. 4238-4243, Vol. 63, No. 11.

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		McDANIEL et al., "Monoclonal Antibodies Against Protease-Sensitive Pneumococcal Antigens Can Protect Mice From Fatal Infection With Streptococcus Pneumoniae", J.Exp.Med. 1984.Aug.1. 160:368-397.
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		MITCHELL et al., "Comparison of pneumolysin genes and proteins from Streptococcus pneumoniae types 1 and 2", Nucleic Acids Research, Vol. 18, No. 13, May 11, 1990.
		NIELSEN et al., "Antibodies against pneumococcal C-polysaccharide are not protective", Microbial Pathogenesis 1993; 14: 299-305.

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		PATON et al., "Effect of Immunization with Pneumolysin on Survival Time of Mice Challenged with Streptococcus Pneumoniae", Infection and Immunity, May 1983, p. 548-552, Vol. 40, No. 2
		PATON et al., "Purification and Immunogenicity of Genetically Obtained Pneumolysin Toxoids and Their Conjugation to Streptococcus pneumoniae Type 19F Polysaccharide", Infection and Immunity, July 1991, p. 2297-2304, Vol. 59, No. 7.

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		RUSSELL et al., "Monoclonal Antibody Recognizing a Species-Specific Protein from Streptococcus pneumoniae", Journal of Clinical Microbiology, Oct. 1990, p. 2191-2195, Vol. 28, No. 10.
		SAMPSON et al., "Limited Diversity of Streptococcus pneumoniae psaA among Pneumococcal Vaccine Serotypes", Infection and Immunity, May 1997, p. 1967-1971, Vol. 65, No. 5.

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		SAMPSON et al., "Cloning and Nucleotide Sequence Analysis of psaA, the Streptococcus pneumoniae Gene Encoding a 37-Kilodalton Protein Homologous to Previously Reported Streptococcus sp. Adhesins", Infection and Immunity, Jan. 1994, p. 319-324, Vol. 62, No. 1.
		SORENSEN, "Pneumococcal polysaccharide antigens: capsules and C-polysaccharide", Danish Medical Bulletin, p.47-53

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		SWIATLO, et al., "DNA Polymorphisms and Variant Penicillin-Binding Proteins as Evidence that Relatively Penicillin-Resistant Pneumococci in Western Canada Are Clonally Related", J.Infect.Dis. 174:884-888.

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		SORENSEN et al., "Cross-Reactions between Pneumococci and Other Streptococci Due to C Polysaccharide and F Antigen", Journal of Clinical Microbiology, Oct. 1987, p. 1854-1859.
		TAI et al., "Characterization of Hemin Binding Activity of Streptococcus pneumoniae", Infection and Immunity, Mar. 1997, p. 1083-1087, Vol. 65, No. 3.

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	TALKINGTON et al., "Protection of mice against fatal pneumococcal challenge by immunization with pneumococcal surface adhesin A (PsaA), Microbial Pathogenesis 1996; 21: 17-22.		
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	SIMELL, et al., "Pneumococcal Carriage and Otitis Media Induce Salivary Antibodies to Pneumococcal Surface Adhesin A, Pneumolysin, and Pneumococcal Surface Protein A in Children", Journal of Infectious Diseases, 2001: 183:887-96.		
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*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.